# 12 SDD assessment Task 1

1. A. Argo – Forth (Fourth Generation) its versatile yet concise procedural language for the telescopes and to control devices and several processers.

Knorr – C (Third Generation) complex programing language able to specify computer operations

Connection between the two submarines – Assembly language (First Generation) both submarines can understand it (with a bit of modification).

B. Its defined that way because it is hard to learn due to the complexity of the codes. It’s used because the languages are imperative (Of vital importance).

C.

|  |  |  |
| --- | --- | --- |
| Pros and Cons | Imperative | OOP |
| Similarities | Fixed set of things | Fixed set of Operation of things |
| Contrasts | Adding new functions to extend code and work with the code in the program already in it. | Adding new classes to implement existing methods to leave the existing methods alone |

D. This would allow the submarines to be piloted by the programmers who understand and can repair the code in the submarines and communications between base and the submersibles.

1. (a) X = jim

X = eleanor

(b) sibling(X,Y) :- father(X,Z), father(Y,Z) or mother(X,Z), mother(Y,Z)

1. Attribute – Home Phone Number –

The first line of code below shows that the phone number for home will be an interger and the number is defined

int home\_phone\_number 1234567890;

The code below shows the method from

Method –

Int get\_home\_phone\_number()

{

return home\_phone\_number;

};